

## LOWER COLORADO RIVER BASIN-LAKE MEAD, LAKE MEAD

09419550 ROGERS SPRING NEAR OVERTON BEACH, NV

LOCATION.--Lat 36°22'36", long 114°26'33" referenced to North American Datum of 1927, in SE 1/4 SE 1/4 sec. 12, T.18 S., R.67 E., Clark County, Hydrologic Unit 15010005, on left bank, in Lake Mead National Recreation Area, 6.6 mi southwest of Overton Beach, and 14 mi south of Overton on North Shore Road.

PERIOD OF RECORD.--August 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,570 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Minor temporary regulation for recreation upstream. See schematic diagram of Lower Colorado River Basins.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26 ft<sup>3</sup>/s, August 16, 1990, from rating curve extended above 2.2 ft<sup>3</sup>/s, on basis of velocity-area study; minimum daily, 0.90 ft<sup>3</sup>/s, August 25, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3.4 ft<sup>3</sup>/s, June 20, gage height, 1.07 ft; minimum daily discharge, 1.6 ft<sup>3</sup>/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	1.7	1.7	1.6	1.7	1.7	e1.7	e1.7	1.6	1.6	1.6	1.6
2	1.7	1.7	1.7	1.6	1.7	1.7	e1.7	e1.7	1.6	1.7	1.6	1.6
3	1.7	1.7	1.6	1.6	1.7	1.7	e1.7	e1.7	1.6	1.7	1.6	1.6
4	1.7	1.7	1.6	1.6	1.7	1.7	e1.7	e1.7	1.6	1.7	1.6	1.6
5	1.7	1.7	1.6	1.6	1.6	1.7	e1.7	e1.7	1.6	1.7	1.6	1.6
6	1.7	1.7	1.6	1.6	1.6	1.7	e1.7	e1.7	1.6	1.7	1.6	1.6
7	1.7	1.7	1.6	1.6	1.7	1.7	e1.7	e1.7	1.6	1.7	1.6	1.6
8	1.7	1.7	1.6	1.6	1.7	1.6	e1.7	1.7	1.6	1.7	1.6	1.6
9	1.7	1.7	1.6	1.6	1.7	1.7	e1.7	1.7	1.6	1.7	1.6	1.6
10	1.7	1.7	1.6	1.6	1.7	1.7	e1.7	1.7	1.6	1.7	1.6	1.6
11	1.7	1.7	1.6	1.6	1.7	e1.7	e1.7	1.7	1.6	1.7	1.6	1.6
12	1.7	1.7	1.6	1.6	1.7	e1.7	e1.7	1.7	1.6	1.7	1.6	1.6
13	1.7	1.7	1.6	1.6	1.7	e1.7	e1.7	1.7	1.7	1.7	1.6	1.6
14	1.7	1.7	1.6	1.6	1.7	e1.7	e1.7	1.7	1.6	1.7	1.6	1.6
15	1.7	1.7	1.6	1.7	1.7	e1.7	e1.7	1.7	1.7	1.7	1.6	1.6
16	1.7	1.7	1.6	1.7	1.7	e1.7	e1.7	1.6	1.6	1.7	1.6	1.6
17	1.7	1.7	1.6	1.6	1.7	e1.7	e1.7	1.6	1.6	1.7	1.6	1.6
18	1.7	1.7	1.6	1.7	1.7	e1.7	e1.7	1.6	1.7	1.7	1.6	1.6
19	1.7	1.7	1.6	1.7	1.7	e1.7	e1.7	1.6	1.6	1.7	1.6	1.6
20	1.7	1.7	1.6	1.7	1.7	e1.7	e1.7	1.6	1.7	1.7	1.6	1.6
21	1.7	1.7	1.6	1.7	1.7	e1.7	e1.7	1.6	1.6	1.7	1.6	1.6
22	1.7	1.7	1.6	1.6	1.7	e1.7	e1.7	1.6	1.6	1.6	1.6	1.6
23	1.7	1.7	1.6	1.7	1.7	e1.7	e1.7	1.6	1.6	1.6	1.6	1.6
24	1.7	1.7	1.6	1.7	1.7	e1.7	e1.7	1.6	1.6	1.6	1.6	1.6
25	1.7	1.7	1.6	1.6	1.7	e1.7	e1.7	1.6	1.6	1.6	1.6	1.6
26	1.7	1.7	1.6	1.6	1.7	e1.7	e1.7	1.6	1.6	1.6	1.6	1.6
27	1.7	1.7	1.6	1.6	1.7	e1.7	e1.7	1.6	1.6	1.6	1.6	1.6
28	1.7	1.7	1.6	1.7	1.7	e1.7	e1.7	1.6	1.6	1.6	1.6	1.6
29	1.7	1.7	1.6	1.7	1.7	e1.7	e1.7	1.7	1.6	1.6	1.6	1.6
30	1.7	1.7	1.6	1.7	---	e1.7	e1.7	1.6	1.6	1.6	1.6	1.6
31	1.7	---	1.6	1.7	---	e1.7	---	1.6	---	1.6	1.6	---
TOTAL	52.7	51.0	49.8	50.9	49.1	52.6	51.0	51.2	48.4	51.6	49.6	48.0
MEAN	1.70	1.70	1.61	1.64	1.69	1.70	1.70	1.65	1.61	1.66	1.60	1.60
MAX	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6
MIN	1.7	1.7	1.6	1.6	1.6	1.6	1.7	1.6	1.6	1.6	1.6	1.6
AC-FT	105	101	99	101	97	104	101	102	96	102	98	95

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2004, BY WATER YEAR (WY)

MEAN	1.69	1.68	1.66	1.65	1.66	1.63	1.62	1.62	1.67	1.67	1.68	1.67
MAX	1.85	1.92	1.89	2.16	2.28	1.94	1.82	1.80	1.89	1.88	2.02	1.91
(WY)	(2000)	(1991)	(1993)	(1993)	(1993)	(1993)	(2000)	(1995)	(1993)	(1993)	(1993)	(1993)
MIN	1.54	1.55	1.43	1.27	1.23	1.25	1.22	1.37	1.46	1.38	1.35	1.46
(WY)	(1996)	(1997)	(1997)	(1986)	(1992)	(1987)	(1987)	(1992)	(1992)	(1992)	(1992)	(1989)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1985 - 2004
ANNUAL TOTAL	616.9	605.9	
ANNUAL MEAN	1.69	1.66	1.66
HIGHEST ANNUAL MEAN			1.88
LOWEST ANNUAL MEAN			1.47
HIGHEST DAILY MEAN	1.7	Jan 1	2.8 Aug 16, 1990
LOWEST DAILY MEAN	1.6	Jun 29	0.90 Aug 25, 1992
ANNUAL SEVEN-DAY MINIMUM	1.6	Dec 3	1.1 Feb 25, 1986
MAXIMUM PEAK FLOW		3.4 Jun 20	26 Aug 16, 1990
MAXIMUM PEAK STAGE		1.07 Jun 20	3.31 Aug 16, 1990
ANNUAL RUNOFF (AC-FT)	1,220	1,200	1,200
10 PERCENT EXCEEDS	1.7	1.7	1.8
50 PERCENT EXCEEDS	1.7	1.7	1.7
90 PERCENT EXCEEDS	1.7	1.6	1.5

e Estimated